

Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. (currently amended) Optical detector device for a meter, comprising a consumption indicator formed of a rotating disc provided with a so-called active sector and optical elements of emitting type and receiving type opposite one planar face of said disc, whose received optical signal is processed to infer at least the number of rotations of said disc, having at least two said optical elements of one type and at least one said optical element of the other type, wherein said sector is one reflecting sector of said planar face with a center angle called a first angle (γ) of between about 45 and 225°, and said two optical elements of one type are emitting elements of light beam, the lines connecting each trace of these beams on disc forming a center angle in the center of the disc called a nonzero second angle (α).
2. (previously presented) Device as in claim 1, wherein said first angle (γ) is equal to twice said second angle (α).
3. (previously presented) Device as in claim 1, wherein said reflecting sector has a center angle (γ) of 180°.
4. (previously presented) Device as in claim 1 further comprising two emitting optical elements and one receiving optical element.

5. (previously presented) Device as in claim 4, wherein said three optical members are substantially aligned and the receiving optical element is between the emitting elements.
6. (previously presented) Device as in claim 1, further comprising two emitting optical elements and two receiving optical elements associated in pairs, each receiving element receiving the optical beam of the emitting element in the same pair.
7. (previously presented) Device as in claim 1, wherein the two optical emitters operate sequentially.
8. (previously presented) Device as in claim 1, wherein the non-reflecting sector of said disc is inclined with respect to the axis of the disc.
9. (previously presented) Device as in claim 1 wherein the positioning of said optical elements is such that the angle of incidence (B) of the optical beam emitted and received by the optical elements is less than 60°.
10. (previously presented) Device as in claim 1 further comprising a collimator device for the optical beam.
11. (previously presented) Device as in claim 10, wherein said collimator device comprises slits limiting stray interference between light beams.
12. (previously presented) Device as in claim 1, further comprising an additional optical emitter for presence detection.
13. (previously presented) Device as in claim 12, wherein the trace on disc of this presence detection emitter is centered on the axis of symmetry (A) of the disc.
14. (previously presented) Device as in claim 6, wherein said presence detection

optical emitter is associated in a pair with a receiving optical emitter, the trace (S') of this emitter on the disc being substantially equidistant from those of said two preceding emitting optical elements.

15. (previously presented) Fluid meter comprising:
a rotating disc that is part of an optical detector device as in claim 1.
16. (previously presented) Detection module intended to cooperate with a fluid meter and comprising said optical elements that are part of a device as in claim 1.
17. (previously presented) Module as in claim 16, further comprising an optical beam collimator device.
18. (previously presented) Module as in claim 6, wherein the emitting optical element and the receiving optical element of at least one of said pairs are housed in a common support.
19. (previously presented) Module as in claim 18, wherein said support has a sealing lip surrounding the pair of optical elements and intended to bear upon said fluid meter.
20. (previously presented) Module as in claim 19, wherein said support comprises a flange separating the two optical elements and intended to bear upon said fluid meter.